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PATENT
ATTORNEY DOCKET NO. 024445-471

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Soren OLSSON) Confirmation No.: 4960
Application No.: 10/823,651) Group Art Unit: 3722
Filed: 04/14/04) Examiner: Ross, Dana

Title: Machine Spindle Having a Force-
Amplifier Drawbar Assembly

Commissioner for Patents
U.S. Patent and Trademark Office
Alexandria, VA 22314

Sir:

CHANGE OF CORRESPONDENCE ADDRESS

Please enter the correspondence address of this application as:

Customer Number 55694

A new power of attorney appointing the undersigned is being filed concurrently herewith.
If there is any fee due in connection with the filing of this paper, please charge the fee to our
Deposit Account No. 50-0573.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: September 6, 2005

By: Ronald L. Grudziecki
Ronald L. Grudziecki
Registration No. 24,970

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Title: Machine Spindle Having a Force- Amplifier Drawbar Assembly)	

Commissioner for Patents
Alexandria, VA 22314

Sir:

**SUBMISSION OF REVOCATION OF ORIGINAL POWER OF ATTORNEY
AND GRANT OF NEW POWER OF ATTORNEY**

Enclosed is a copy of the Revocation of Original Power of Attorney and Grant of New Power of Attorney by the Assignee.

If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

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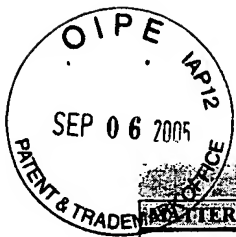
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: SANDVIK INTELLECTUAL PROPERTY AKTIEBOLAG

Commissioner for Patents
Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), SANDVIK INTELLECTUAL PROPERTY AKTIEBOLAG, a Swedish corporation, certified that it is the assignee of 100% of the right, title and interest in the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) by mesne assignments to SANDVIK INTELLECTUAL PROPERTY AKTIEBOLAG submitted to the U.S. Patent and Trademark Office. The dates on which the assignments were submitted and the reel/frame numbers at which the assignments were recorded are indicated in the following chart.



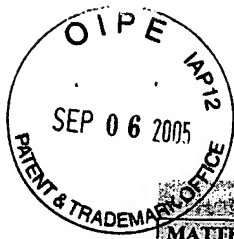
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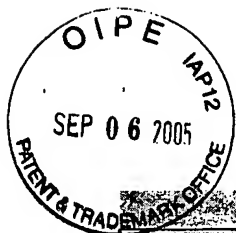
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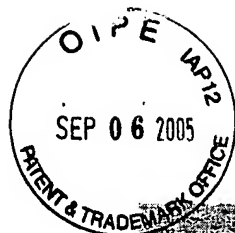
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024444-017	08/246,135	5 /19/1994	5,449,647	9 /12/1995		
024000-991	08/159,257	11/30/1993	5,451,469	9 /19/1995		
024000-994	08/157,010	11/30/1993	5,454,671	10/3 /1995		
024000-948	08/077,683	6 /16/1993	5,462,574	10/31/1995		
024444-008	08/185,214	1 /24/1994	5,466,097	11/14/1995		
024000-949	08/079,604	6 /22/1993	5,470,372	11/28/1995		
024444-087	08/325,364	10/26/1994	5,475,912	12/19/1995		
024000-964	08/082,100	6 /28/1993	5,476,346	12/19/1995		
024444-069	08/309,480	9 /21/1994	5,477,934	12/26/1995		
024000-886.001	08/251,661	5 /31/1994	5,482,748	1 /9 /1996		
024444-013	08/192,628	2 /7 /1994	5,484,468	1 /16/1996		
024000-993	08/159,217	11/30/1993	5,487,625	1 /30/1996		
024444-067	08/301,608	9 /7 /1994	5,487,626	1 /30/1996		
024444-055	08/281,276	7 /27/1994	5,496,131	3 /5 /1996		
024000-954.001	08/297,905	8 /29/1994	5,496,638	3 /5 /1996		
024000-984	08/141,603	10/27/1993	5,505,569	4 /9 /1996		
024444-108	08/412,945	3 /29/1995	5,505,902	4 /9 /1996		
024444-049	08/244,656	7 /22/1994	5,507,355	4 /16/1996		
024444-021.001	08/199,296	3 /3 /1994	5,512,237	4 /30/1996		
024444-038	08/237,999	5 /4 /1994	5,524,518	6 /11/1996		
024444-036	08/233,332	4 /26/1994	5,529,439	6 /25/1996		
024444-107	08/412,930	3 /29/1995	5,529,804	6 /25/1996		
024000-805.001	08/128,741	9 /30/1993	5,543,176	8 /6 /1996		
024444-011	08/185,371	1 /24/1994	5,544,984	8 /13/1996		
024000-927.001	08/258,598	6 /10/1994	5,549,980	8 /27/1996		
024444-047	08/257,531	6 /9 /1994	5,564,320	10/15/1996		
024000-821.002	08/303,001	9 /9 /1994	5,565,152	10/15/1996		
024444-063	08/299,063	8 /31/1994	5,567,092	10/22/1996		
024444-043	08/249,214	5 /26/1994	5,569,000	10/29/1996		
024444-143	08/452,136	5 /26/1995	5,575,342	11/19/1996		
024444-118	08/405,782	3 /17/1995	5,576,058	11/19/1996		
024000-851.002	08/516,508	8 /17/1995	5,578,265	11/26/1996		
024444-052	08/262,942	6 /21/1994	5,582,656	12/10/1996		
024444-089	08/325,236	11/17/1994	5,584,175	12/17/1996		



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024444-133	08/464,965	6 / 5 / 1995	5,584,907	12/17/1996		
024444-116	08/393,685	2 / 24 / 1995	5,586,844	12/24/1996		
024444-177	08/566,952	12/4 / 1995	5,591,320	1 / 7 / 1997		
024444-127	08/465,356	6 / 5 / 1995	5,594,929	1 / 14 / 1997		
024444-137	08/492,521	6 / 20 / 1995	5,616,526	4 / 1 / 1997		
024444-136	08/437,307	5 / 9 / 1995	5,622,461	4 / 22 / 1997		
024444-192	08/568,293	12/6 / 1995	5,624,068	4 / 29 / 1997		
024444-172	08/557,579	11/14/1995	5,632,824	5 / 27 / 1997		
024444-080	08/319,648	10/7 / 1994	5,632,826	5 / 27 / 1997		
024444-141.001	08/698,254	8 / 14 / 1996	5,634,745	6 / 3 / 1997		
024444-129	08/436,214	5 / 15 / 1995	5,634,747	6 / 3 / 1997		
024444-051	08/264,148	6 / 22 / 1994	5,637,037	6 / 10 / 1997		
024444-204	08/610,234	3 / 4 / 1996	5,645,132	7 / 8 / 1997		
024444-031.001	08/540,320	10/6 / 1995	5,648,029	7 / 15 / 1997		
024444-091	08/343,921	11/17/1994	5,649,279	7 / 15 / 1997		
024444-162	08/532,359	9 / 22 / 1995	5,654,035	8 / 5 / 1997		
024444-132	08/464,564	6 / 5 / 1995	5,658,395	8 / 19 / 1997		
024444-151	08/495,840	6 / 28 / 1995	5,659,872	8 / 19 / 1997		
024444-158	08/513,960	11/2 / 1995	5,667,343	9 / 16 / 1997		
024444-220	08/630,327	4 / 10 / 1996	5,669,742	9 / 23 / 1997		
024444-146	08/452,853	5 / 30 / 1995	5,674,564	10/7 / 1997		
024444-214	08/610,239	3 / 4 / 1996	5,676,499	10/14/1997		
024444-224	08/721,528	9 / 26 / 1996	5,676,519	10/14/1997		
024444-196	08/589,870	1 / 23 / 1996	5,682,590	10/28/1997		
024444-145.001	08/451,462	5 / 26 / 1995	5,685,672	11/11/1997		
024444-176	08/549,216	10/27/1995	5,685,674	11/11/1997		
024444-022.001	08/622,930	3 / 27 / 1996	5,688,080	11/18/1997		
024444-244	08/662,523	6 / 13 / 1996	5,688,729	11/18/1997		
024444-456.001	445,523	5 / 22 / 1995	5,693,417	12/2 / 1997		
024000-997.001	08/593,905	1 / 30 / 1996	5,694,639	12/2 / 1997		
024444-168	08/526,390	9 / 11 / 1995	5,697,737	12/16/1997		
024444-456	445,521	5 / 22 / 1995	5,698,314	12/16/1997		
024444-171	08/557,580	11/14/1995	5,702,808	12/30/1997		
024444-104	08/407,657	3 / 21 / 1995	5,705,263	1 / 6 / 1998		
013715-001	08/705,989	8 / 30 / 1996	5,716,053	2 / 10 / 1998		
024000-807.002	08/214,157	3 / 17 / 1994	5,718,948	2 / 17 / 1998		



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024444-173.001	08/837,092	4 /14/1997	5,743,681	4 /28/1998		
024444-324	08/778,677	1 /3 /1997	5,759,308	6 /2 /1998		
024444-256	08/703,966	8 /28/1996	5,759,621	6 /2 /1998		
024444-216	08/616,312	3 /15/1996	5,761,593	6 /2 /1998		
029777-003.001	08/427,561	4 /24/1995	5,761,981	6 /9 /1998		
024444-066.001	08/851,559	5 /6 /1997	5,765,972	6 /16/1998		
024444-093	08/366,107	12/29/1994	5,766,782	6 /16/1998		
024444-081.001	08/826,407	3 /24/1997	5,771,763	6 /30/1998		
024444-110.001	08/853,869	5 /9 /1997	5,772,366	6 /30/1998		
024444-264	08/703,965	8 /28/1996	5,786,069	7 /28/1998		
024444-191	08/570,430	12/11/1995	5,786,076	7 /28/1998		
024444-325	08/772,286	12/20/1996	5,794,728	8 /18/1998		
024444-304	08/746,265	11/8 /1996	5,795,109	8 /18/1998		
024444-291	08/727,572	3 /10/1997	5,795,116	8 /18/1998		
024444-131	08/504,779	7 /20/1995	5,795,384	8 /18/1998		
024444-381	08/873,467	6 /12/1997	5,800,868	9 /1 /1998		
024444-223	08/675,690	7 /3 /1996	5,803,230	9 /8 /1998		
013715-002	08/848,741	5 /1 /1997	5,807,041	9 /15/1998		
024444-276	08/719,976	9 /24/1996	5,810,518	9 /22/1998		
024444-012.002	08/772,472	12/23/1996	5,810,521	9 /22/1998		
024444-394	08/888,055	7 /3 /1997	5,813,105	9 /29/1998		
024444-125.001	08/746,158	11/6 /1996	5,816,755	10/6 /1998		
024444-314	08/755,743	11/22/1996	5,827,017	10/27/1998		
024444-412	08/898,408	7 /22/1997	5,834,061	11/10/1998		
024444-161	08/593,465	1 /29/1996	5,837,071	11/17/1998		
024444-298	08/746,268	11/8 /1996	5,839,519	11/24/1998		
024444-391	08/909,659	8 /12/1997	5,839,523	11/24/1998		
024444-259	08/770,849	12/20/1996	5,851,285	12/22/1998		
024444-092	08/348,084	11/25/1994	5,851,687	12/22/1998		
024444-258	08/772,099	12/20/1996	5,853,477	12/29/1998		
024444-313	08/772,101	12/20/1996	5,856,626	1 /5 /1999		
024444-312	08/777,735	12/20/1996	5,858,539	1 /12/1999		
024444-144	08/497,934	7 /5 /1995	5,861,210	1 /19/1999		
024444-233	08/675,034	7 /3 /1996	5,863,640	1 /26/1999		



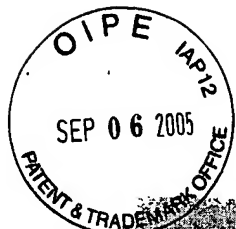
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024444-334	08/798,135	2 /12/1997	5,871,309	2 /16/1999		
024444-323	08/765,590	4 /17/1997	5,876,524	3 /2 /1999		
024444-350	08/809,578	3 /26/1997	5,881,828	3 /16/1999		
024444-243	08/656,358	6 /14/1996	5,885,136	3 /23/1999		
024444-197.001	08/781,747	1 /10/1997	5,885,653	3 /23/1999		
024444-271	08/721,766	9 /25/1996	5,887,242	3 /23/1999		
024444-295	08/748,950	11/15/1996	5,887,698	3 /30/1999		
024444-343	08/812,730	3 /6 /1997	5,890,551	4 /6 /1999		
024444-272.001	08/928,669	9 /12/1997	5,894,034	4 /13/1999		
024444-293	08/751,104	11/15/1996	5,894,919	4 /20/1999		
024444-326	08/765,194	2 /28/1997	5,897,272	4 /27/1999		
024444-234	08/675,678	7 /3 /1996	5,902,671	5 /11/1999		
024444-292	08/748,904	11/15/1996	5,909,796	6 /8 /1999		
024444-357	08/867,417	6 /2 /1997	5,911,867	6 /15/1999		
024444-461	09/034,230	3 /4 /1998	5,912,051	6 /15/1999		
024444-363	08/880,297	6 /24/1997	5,914,286	6 /22/1999		
024444-330	08/787,220	1 /22/1997	5,919,578	7 /6 /1999		
024444-455	08/998,648	12/29/1997	5,921,332	7 /13/1999		
032944-011	08/887,069	7 /2 /1997	5,921,632	7 /13/1999		
024444-286	08/738,839	10/28/1996	5,924,826	7 /20/1999		
024000-971.001	08/430,308	4 /28/1995	5,925,197	7 /20/1999		
024444-366	08/852,610	5 /7 /1997	5,931,243	8 /3 /1999		
024444-472	09/034,395	3 /4 /1998	5,931,613	8 /3 /1999		
024444-387	08/884,388	6 /27/1997	5,934,388	8 /10/1999		
024444-477	09/044,011	3 /19/1998	5,934,843	8 /10/1999		
024444-487	09/051,204	6 /1 /1998	5,934,844	8 /10/1999		
024000-937.002	08/746,159	11/6 /1996	5,934,847	8 /10/1999		
024444-369	08/886,192	7 /1 /1997	5,942,318	8 /24/1999		
024444-432	08/947,026	10/8 /1997	5,944,126	8 /31/1999		
024444-450	08/987,613	12/9 /1997	5,944,457	8 /31/1999		
024444-413	08/923,922	9 /5 /1997	5,945,207	8 /31/1999		
024444-441	08/965,110	11/6 /1997	5,947,215	9 /7 /1999		
024444-493	09/097,666	6 /16/1998	5,948,715	9 /7 /1999		
024444-417	08/912,562	8 /18/1997	5,950,745	9 /14/1999		



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024444-185.001	08/904,456	8 /1 /1997	5,951,788	9 /14/1999		
024444-252	08/669,538	7 /12/1996	5,957,629	9 /28/1999		
024444-526	09/131,699	8 /10/1998	5,962,071	10/5 /1999		
024444-321	08/750,617	2 /24/1997	5,964,553	10/12/1999		
024444-358	08/836,809	8 /11/1997	5,964,649	10/12/1999		
024444-338	08/818,865	3 /17/1997	5,965,471	10/12/1999		
024444-474	09/058,854	4 /13/1998	5,967,705	10/19/1999		
024444-482	09/047,221	3 /25/1998	5,968,595	10/19/1999		
024444-339	08/793,123	2 /19/1997	5,971,670	10/26/1999		
024444-351	08/817,949	4 /28/1997	5,971,672	10/26/1999		
024444-414	08/894,048	8 /12/1997	5,975,223	11/2 /1999		
024444-495	09/075,221	5 /11/1998	5,976,213	11/2 /1999		
024444-306	08/750,256	2 /19/1997	5,976,455	11/2 /1999		
013715-004	09/159,390	9 /23/1998	5,980,165	11/9 /1999		
024444-426	08/947,880	10/9 /1997	5,980,988	11/9 /1999		
024444-452	08/973,976	4 /22/1998	5,984,024	11/16/1999		
024444-419	08/913,286	9 /11/1997	5,984,030	11/16/1999		
018300-030	08/769,447	12/19/1996	5,984,592	11/16/1999		
024444-384	08/879,891	6 /20/1997	5,988,301	11/23/1999		
024444-483	09/049,004	3 /27/1998	5,993,118	11/30/1999		
024444-488	09/058,851	4 /13/1998	5,993,120	11/30/1999		
024444-356	08/862,242	5 /23/1997	5,993,638	11/30/1999		
024444-548	09/169,952	10/13/1998	5,993,730	11/30/1999		
024444-352	08/837,094	4 /14/1997	5,993,970	11/30/1999		
013715-006	09/172,295	10/14/1998	6,004,080	12/21/1999		
024444-458	08/983,038	3 /27/1998	6,004,081	12/21/1999		
024444-411	08/875,139	2 /2 /1998	6,004,371	12/21/1999		
024444-547	09/152,066	9 /11/1998	6,007,766	12/28/1999		
024444-457	08/981,844	2 /9 /1998	6,007,909	12/28/1999		
024444-361	08/842,357	4 /24/1997	6,016,720	1 /25/2000		
024444-368	08/836,888	6 /3 /1997	6,017,171	1 /25/2000		
024444-500	09/075,247	5 /11/1998	6,017,488	1 /25/2000		
024444-463	09/011,498	5 /6 /1998	6,021,855	2 /8 /2000		
024444-353	08/849,770	9 /18/1997	6,033,735	3 /7 /2000		
024444-630	09/276,676	3 /26/1999	6,043,176	3 /28/2000		
024444-459	09/008,626	1 /16/1998	6,045,308	4 /4 /2000		



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024444-512	09/045,639	3/23/1998	6,051,079	4/18/2000		
024444-444	08/972,320	11/18/1997	6,053,669	4/25/2000		
024444-427	08/913,443	10/20/1997	6,056,628	5/2/2000		
024444-471	09/099,686	6/18/1998	6,062,322	5/16/2000		
024444-498	09/077,370	9/1/1998	6,062,776	5/16/2000		
013715-008	09/222,764	12/30/1998	6,065,906	5/23/2000		
024444-586	09/232,008	1/14/1999	6,066,582	5/23/2000		
024444-581	09/214,594	5/6/1999	6,071,469	6/6/2000		
024444-390	08/912,404	8/18/1997	6,073,711	6/13/2000		
024444-359	08/836,124	8/7/1997	6,074,138	6/13/2000		
024444-523	09/131,419	8/10/1998	6,076,618	6/20/2000		
024444-582	09/214,516	5/14/1999	6,076,999	6/20/2000		
013715-007	09/172,293	10/14/1998	6,086,290	7/11/2000		
013715-005	09/159,389	9/23/1998	6,086,291	7/11/2000		
024444-656	09/340,724	6/29/1999	6,086,650	7/11/2000		
024444-447	08/993,243	12/18/1997	6,086,980	7/11/2000		
024444-451	08/992,818	12/18/1997	6,090,476	7/18/2000		
024444-231.001	09/245,124	1/14/1999	6,095,958	8/1/2000		
024444-528	09/148,993	9/8/1998	6,102,141	8/15/2000		
024444-486	09/060,360	4/15/1998	6,103,357	8/15/2000		
024444-609	09/252,476	2/18/1999	6,105,693	8/22/2000		
024444-564	09/196,116	11/20/1998	6,109,836	8/29/2000		
024444-257	08/772,102	12/20/1996	6,110,275	8/29/2000		
024444-628	09/268,732	3/17/1999	6,112,832	9/5/2000		
024444-520	09/121,189	7/23/1998	6,112,835	9/5/2000		
024444-545	09/168,061	10/8/1998	6,113,195	9/5/2000		
024444-501	09/083,115	5/22/1998	6,113,319	9/5/2000		
024444-346	08/809,575	3/26/1997	6,119,798	9/19/2000		
024444-603	09/261,615	3/3/1999	6,125,952	10/3/2000		
024444-516	09/101,896	7/20/1998	6,126,366	10/3/2000		
024444-626	09/271,924	3/18/1999	6,129,619	10/10/2000		
024444-682	09/378,761	8/23/1999	6,129,891	10/10/2000		
024444-730	09/503,343	2/14/2000	6,131,672	10/17/2000		
024000-945	08/077,681	6/16/1993	6,132,293	10/17/2000		
024444-566	09/194,926	5/14/1999	6,135,678	10/24/2000		



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024444-506	09/095,502	6 /11/1998	6,145,603	11/14/2000		
024444-563	09/192,585	11/17/1998	6,145,605	11/14/2000		
024444-676	09/352,777	7 /14/1999	6,146,061	11/14/2000		
024444-649	09/301,457	4 /29/1999	6,146,065	11/14/2000		
024444-573	09/204,358	12/4 /1998	6,146,582	11/14/2000		
024444-415	08/894,409	8 /20/1997	6,155,754	12/5 /2000		
024444-639	09/299,150	4 /26/1999	6,164,392	12/26/2000		
024444-641	09/337,676	6 /22/1999	6,168,356	1 /2 /2001		
024444-561	09/204,355	12/4 /1998	6,169,048	1 /2 /2001		
024444-600	09/249,048	2 /12/1999	6,174,386	1 /16/2001		
024444-499	09/077,360	9 /1 /1998	6,177,178	1 /23/2001		
024444-657	09/326,678	6 /7 /1999	6,182,776	2 /6 /2001		
024444-550	09/155,542	1 /15/1999	6,187,254	2 /13/2001		
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024444-677	09/358,464	7 /22/1999	6,193,777	2 /27/2001		
024444-652	09/305,464	5 /6 /1999	6,196,770	3 /6 /2001		
024444-507	09/112,453	7 /9 /1998	6,197,083	3 /6 /2001		
024444-599	09/242,535	10/20/1999	6,197,132	3 /6 /2001		
024444-695	09/407,766	9 /29/1999	6,199,656	3 /13/2001		
024444-679	09/372,608	8 /12/1999	6,200,077	3 /13/2001		
024444-497	09/077,424	9 /1 /1998	6,200,671	3 /13/2001		
024003-086	09/305,333	5 /5 /1999	6,202,327	3 /20/2001		
024444-625	09/274,325	3 /23/1999	6,202,768	3 /20/2001		
024444-578	09/214,622	8 /10/1999	6,207,102	3 /27/2001		
024444-571	09/221,157	12/28/1998	6,209,703	4 /3 /2001		
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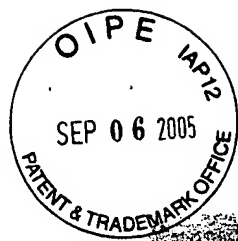
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024444-672	09/350,900	7 /12/1999	6,247,196	6 /19/2001		
024444-632	09/349,967	7 /9 /1999	6,249,950	6 /26/2001		
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024444-638	09/349,106	7 /8 /1999	6,261,673	7 /17/2001		
024444-577	09/214,621	4 /1 /1999	6,267,797	7 /31/2001		
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024444-741	09/500,993	2 /9 /2000	6,272,726	8 /14/2001		
024444-753	09/543,101	4 /4 /2000	6,273,930	8 /14/2001		
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024444-560	09/204,354	12/4 /1998	6,352,571	3 /5 /2002		
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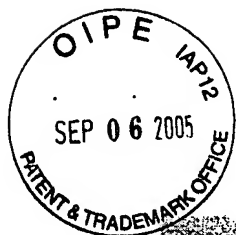
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024444-112	29/036,277	3/16/1995	D367,866	3/12/1996		
024444-109	29/036,274	3/16/1995	D369,362	4/30/1996		
024444-121	29/037,415	4/12/1995	D371,146	6/25/1996		
024444-122	29/037,416	4/12/1995	D371,374	7/2/1996		
024000-981	29/013,163	12/15/1993	D376,158	12/3/1996		
024444-062	29/027,321	8/18/1994	D381,026	7/15/1997		
024444-242	29/055,703	6/11/1996	D389,161	1/13/1998		
024444-281	29/060,377	9/27/1996	D389,496	1/20/1998		
024444-275	29/060,378	9/27/1996	D389,497	1/20/1998		
024444-288	29/060,381	9/27/1996	D389,846	1/27/1998		
024444-280	29/060,375	9/27/1996	D393,270	4/7/1998		
024444-282	29/060,379	9/27/1996	D395,663	6/30/1998		
024444-536	29/093,432	9/10/1998	D415,178	10/12/1999		
024444-549	29/095,737	10/29/1998	D416,029	11/2/1999		
024444-537	29/093,433	9/10/1998	D418,526	1/4/2000		
024444-774	29/123,541	5/22/2000	D422,194	5/15/2001		



Issued						
MAT. NO.	SERIAL NO.	FILED	PATENT NO.	ISSUED	RECORDED	REEL/FRAME
024444-642	29/103,930	4 /26/1999	D429,137	8 /8 /2000		
024444-279	29/060,376	9 /27/1996	D431,578	10/3 /2000		
024444-693	29/120,688	3 /22/2000	D436,013	1 /9 /2001		
024444-644	29/104,015	4 /27/1999	D437,201	2 /6 /2001		
024444-773	29/123,540	5 /22/2000	D442,193	5 /15/2001		
024444-826	29/128,789	8 /31/2000	D442,195	5 /15/2001		
024444-824	29/128,793	8 /31/2000	D442,196	5 /15/2001		
024444-823	29/128,792	8 /31/2000	D443,284	6 /5 /2001		
024444-825	29/128,791	8 /31/2000	D444,156	6 /26/2001		
024444-928	29/141,648	5 /11/2001	D452,870	1 /8 /2002		
024444-805	29/125,242	6 /21/2000	D454,142	3 /5 /2002		
024444-842	29/130,140	9 /29/2000	D454,143	3 /5 /2002		
024444-927	29/141,647	5 /11/2001	D466,537	12/3 /2002		
024445-047	29/156,311	2 /28/2002	D470,516	2 /18/2003		
024445-048	29/156,312	2 /28/2002	D470,517	2 /18/2003		
024445-039	29/156,807	3 /11/2002	D475,376	6 /3 /2003		
024445-042	29/156,870	3 /11/2002	D475,377	6 /3 /2003		
024445-040	29/156,872	3 /11/2002	D475,378	6 /3 /2003		
024445-041	29/156,873	3 /11/2002	D475,379	6 /3 /2003		
024445-044	29/156,838	3 /11/2002	D475,723	6 /10/2003		
024445-046	29/156,869	3 /11/2002	D475,724	6 /10/2003		
024445-043	29/156,871	3 /11/2002	D475,725	6 /10/2003		
024445-045	29/156,841	3 /11/2002	D476,019	6 /17/2003		
024445-093	29/164,703	7 /31/2002	D476,669	7 /1 /2003		
024445-096	29/164,471	7 /26/2002	D477,003	7 /8 /2003		
024445-130	29/167,690	9 /20/2002	D477,004	7 /8 /2003		
024445-128	29/167,691	9 /20/2002	D477,005	7 /8 /2003		
024445-129	29/167,692	9 /20/2002	D477,618	7 /22/2003		
024445-260	29/172,940	12/20/2002	D485,852	1 /27/2004		
024445-259	29/172,939	12/20/2002	D486,505	2 /10/2004		
024445-256	29/171,763	11/29/2002	D487,281	3 /2 /2004		
024444-021	08/923,455	9 /4 /1997	RE36,382	11/9 /1999		
024000-935.001	08/971,340	11/17/1997	RE37,595	3 /19/2002		



The undersigned has reviewed all documents in the chain of title of the patent applications and patents identified above and, to the best of the undersigned's knowledge and belief, title is in the name of the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

Acting on behalf of the assignee, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

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with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected with these patent applications and issued patents.

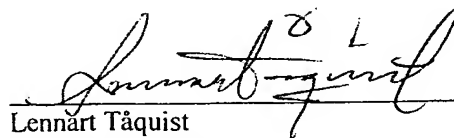
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I hereby declare that all statements made here of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the patents, applications or any patents issued on the applications.

Respectfully submitted,

Date: August 5, 2005


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